

7c. ABSTRACT CLASS

CODE:

```
#include<iostream>

using namespace std;

//Abstract class(base class)

class person

{

protected:

string name;

int age;

public:

//pure virtual fuctions

virtual void accept()=0;

virtual void display()=0;

};

//Derived class

class Employee : public person

{

private:

double salary;

string department;

public:

void accept()

{

cout<<"Enter name and age";

cin>>name>>age;

cout<<"Enter salary and department";
```

```

        cin>>salary>>department;
    }

    void display()
    {
        cout<<"Name is"<<name<< endl;
        cout<<"Age is"<<age<<endl;
        cout<<"salary is "<<salary<<endl;
        cout<<"Department is "<<department<<endl;
    }
};

int main()
{
    Employee e1;
    e1.accept();
    e1.display();

    return 0;
}

```

9A. Write a program in C++ to show the implementation of exception handling.

CODE:

```

#include<iostream>

using namespace std;

int main()
{
    int x=-1;

    cout<<"Before try\n";

    try
    {

```

```
    cout<<"Inside try\n";  
    if (x<0)  
    {  
        throw x;  
        cout<<"After throw(Never executed)\n";  
    }  
  
}  
catch(int x)  
{  
    cout<<"exception caught\n";  
}  
cout<<"After catch(Will be executed)\n";  
return 0;  
}
```